500X RELIEF VALVE

GENERAL

500X diaphragm type relief valve is mainly applicable to firefighting or other water supply system to prevent of the system overpressure or keep firefighting water supply system pressure. After the fire pump closing, it can also reduce the water hammer attack. It can be also applicable to large water supply system as water hammer eliminator. And even more, there is one self-cleaning filtering net which uses the fluids self-characteristics to prevent the suspended particulate with bigger specific gravity and diameter from flowed into the control system, so that it can make sure the systemic circulation proceeds without hindrance, the valve operates safely and reliably.

500X diaphragm type relief valve has smooth and reliable operating performance, high strength and long service life. It is applicable to be mounted on the pipeline sizes≤DN600.

FEATURES

Nominal pressure: ANSI 125/150LB, PN1.0/PN1.6MPa/PN2.5MPa

Size: 3/4” ~ 24” (20~600mm)

Materials: cast iron, ductile iron, cast steel, stainless steel, brass, bronze

Quality assurance: ISO 90001

Design: Q/FSF-2014

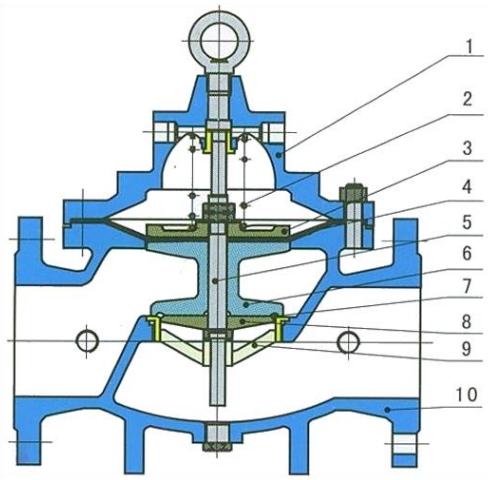
Face to face: Q/FSL-2014

Flanged ends: GB/T 17241.6, GB/T 9113, ASME B16.1 / B16.5, DIN2532-2534, DIN2542-2544

Inspection and Test: GB/T 13927, API 598

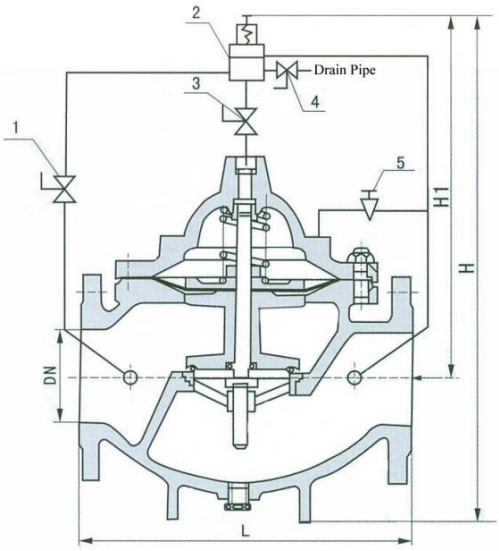
Applicable medium: water, sewage, sea water, air, corrosive liquids

Applicable temperature: 0℃~+80℃ (higher temperature is available upon request)



MAIN PARTS AND MATERIALS

Item	Part	Material
1	Bonnet	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel
2	Spring	Spring Steel, Stainless Steel
3	Diaphragm Pressure Pad	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel
4	Diaphragm	NBR+Nylon, EPDM+Nylon
5	Stem	A182-F6a, A276 420
6	Disc	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel, Brass
7	O-ring	NBR, EPDM
8	O-ring Pressure Pad	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel
9	Seat	Copper Alloy, Stainless Steel
10	Body	Cast Iron., Ductile Iron, Carbon Steel, Stainless Steel

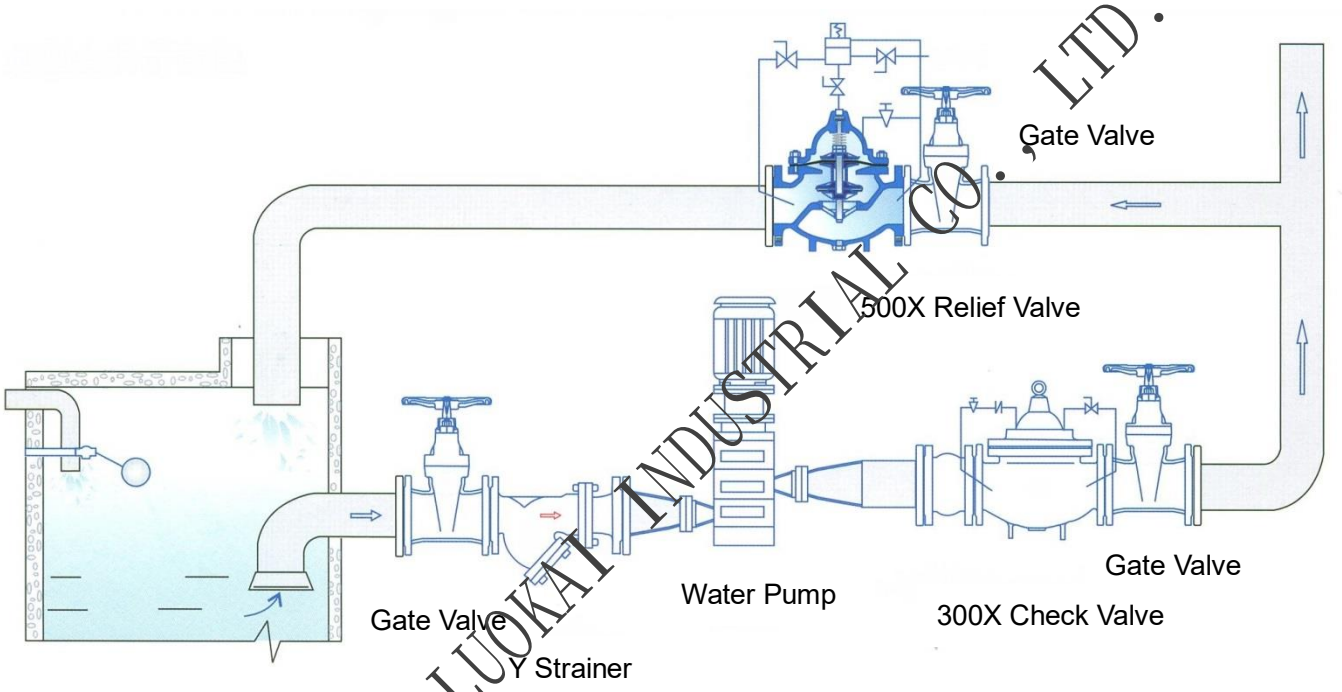


1. Ball Valve 2. Pilot Valve 3. Ball Valve 4. Ball Valve 5. Needle Valve

MAIN CONNECTION DIMENSIONS

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978		
				190	200	215	241	270	200	330	400	480	550	622	685	750	811	935
					220	230	300	340	350	400	450	550	640	700	800	840	900	1100
					230	290	310	350	350	480	600	730	850	850	1100	1100	1250	1450
H1	179	179	179	210	210	215	245	305	365	415	510	560	658	696	735	735	778	873
H	342	342	342	395	395	405	430	510	560	585	675	730	760	840	910	910	1096	1096

TYPICAL INSTALLATION DIAGRAM



NOTES:

As we are constant endeavoring to improve the performance of our equipment.
The company reserves the right to make alteration from time to time and equipment differ from that detailed in this brochure.